# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 05/02/2019 12:35 PM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 01/02/2019 10:47 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Setup Beads

| | | | |
|---|---|---|---|
| Bead Product: | CST Setup Beads | Part #: | 910859 |
| Lot ID: | 72756 | Expiration Date: | 10/31/2019 |
| Bead Lot Information: | Available | | |

## Detector Settings

| Laser | Detector | Parameter | Target Value | Actual Target Value | % Difference Target Value | Bright Bead % Robust CV | Mid Bead Median Channel | Mid Bead % Robust CV |
|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 125000 | 124665 | -1 | 1.19 | 124789 | 1.14 |
| Blue | F | SSC | 125000 | 124731 | -1 | 1.54 | 125484 | 1.51 |
| Blue | E | FITC | 16694 | 16427 | -2 | 2.53 | 357 | 18.77 |
| Blue | D | PE | 32792 | 32459 | -2 | 1.78 | 708 | 13.88 |
| Blue | B | PerCP-Cy5-5 | 44451 | 43965 | -2 | 3.43 | 1183 | 19.26 |
| Blue | A | PE-Cy7 | 33645 | 33506 | -1 | 5.76 | 642 | 38.28 |
| Red | C | APC | 47008 | 46898 | -1 | 2.43 | 1662 | 11.65 |
| Red | A | APC-Cy7 | 32298 | 31517 | -3 | 2.43 | 839 | 11.65 |
| Violet | B | V450 | 8961 | 8686 | -4 | 4.44 | 591 | 12.36 |
| Violet | A | V500 | 32726 | 31653 | -4 | 4.32 | 761 | 10.17 |

## Detector Settings (Continued)

| Laser | Detector | Parameter | Dim Bead Median Channel | Dim Bead % Robust CV | PMTV | Δ PMTV | Qr | Br | P/F |
|---|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 21328 | 2.75 | 601 | -12 | N/A | N/A | Pass |
| Blue | F | SSC | 56712 | 1.05 | 541 | -27 | N/A | N/A | Pass |
| Blue | E | FITC | 64 | 62.06 | 538 | -25 | 0.0242 | 137 | Pass |
| Blue | D | PE | 150 | 45.96 | 545 | -21 | 0.1834 | 265 | Pass |
| Blue | B | PerCP-Cy5-5 | 220 | 46.71 | 639 | -32 | 0.0107 | 38 | Pass |
| Blue | A | PE-Cy7 | 120 | 94.52 | 690 | -36 | 0.0131 | 13 | Pass |
| Red | C | APC | 393 | 24.86 | 585 | -28 | 0.0290 | 179 | Pass |
| Red | A | APC-Cy7 | 184 | 27.92 | 558 | -27 | 0.0064 | 820 | Pass |
| Violet | B | V450 | 123 | 36.16 | 468 | -18 | 0.0362 | 1006 | Pass |
| Violet | A | V500 | 121 | 28.18 | 478 | -18 | 0.0243 | 317 | Pass |

## Specifications

| | |
|---|---|
| PMTV Delta from baseline: | 50 (BD) |
| Violet Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Blue Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Red Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |

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| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 05/02/2019 12:35 PM |
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## Laser Settings

| Laser | Power (mW) | Power Spec. (mW) | Current (mA) | Current Guidelines (mA) | Delay (Trigger on FSC) | Delay (Trigger on Fluorescence) | Area Scaling Factor |
|---|---|---|---|---|---|---|---|
| Violet | 59.55 | 47.98 - 71.98 | N/A | N/A | -32.41 | -32.11 | 1.01 |
| Blue | 20.35 | 16.27 - 24.41 | 1.26 | 0.99 - 1.49 | 0.00 | 0.00 | 1.51 |
| Red | 18.55 | 13.60 - 20.40 | N/A | N/A | 29.63 | 30.06 | 1.20 |

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

## Threshold

Threshold (FSC): 10960

## Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments